

## PATENT ABSTRACTS OF JAPAN

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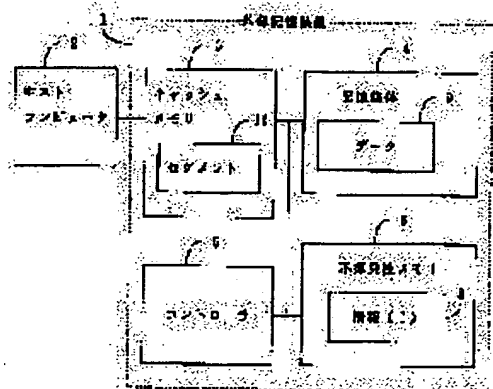
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## (54) DATA CACHE CONTROL METHOD

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To accelerate the read/write of data between an external storage device and a host concerning a data cache control method.

**SOLUTION:** When a power source is turned on, according to information 8 of order to read the segments of cache memory stored in a non-volatile memory 5, the data of storage medium 4 are loaded from the non-volatile memory 5 to a cache memory 3 and when data instructed to be read from a host computer 2 are not existent in the cache memory 3, in the case of storing the information of order to read the relevant segment in the non-volatile memory 5 while defining these instructed data as the segment of high possibility to next read, the address range of segment 10 is collected and stored in the non-volatile memory 5 so as not to be overlapped when the data block of address overlapped with the segment exists in the plural segments of cache memory 3.



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